



PAT McCRORY
Governor

NICHOLAS J. TENNYSON
Secretary

December 22, 2016

Addendum No. 1

RE: **DD00198**

To Whom It May Concern:

Reference is made to the above-mentioned project. The following changes/additions/deletions have been made:

1. Plansheet C-1 for Site 093 has been revised. Please replace sheet C-1 in the file "Site 093 Culvert Plans" with the attached plansheet. The note allowing the Contractor to submit design and details for a precast reinforced concrete box culvert has been removed.

This sheet and attachments shall be made a part of the plans and bid documents and shall be submitted with the bid. Bids submitted without the addenda and attachments will be considered non-responsive.

If there are any questions, please contact me at (252) 237-6164

Sincerely,

DocuSigned by:

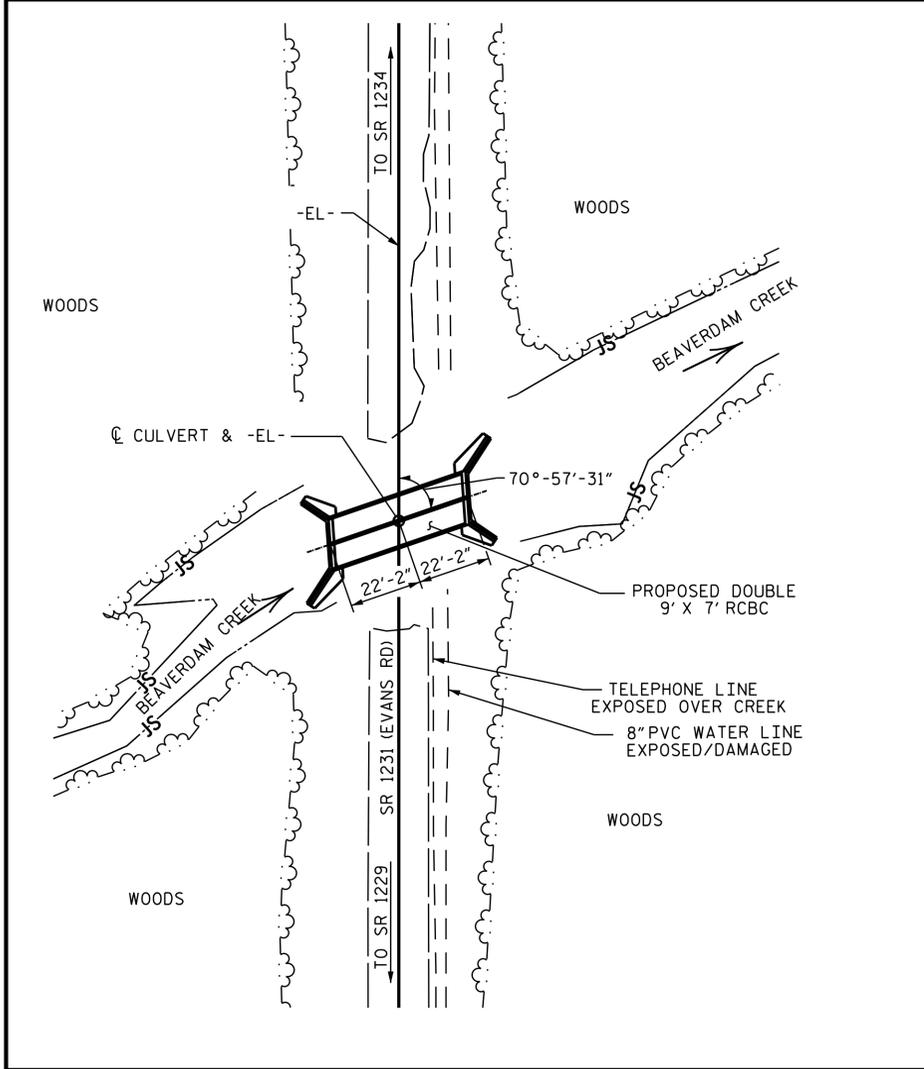
1EB20097EAAF437...

W. Matthew Clarke
Division Four Project Manager

WMC/
Attachment



BM #1: , EL. 107.13



LOCATION SKETCH

TOTAL STRUCTURE QUANTITIES

CLASS A CONCRETE			
BARREL @	1.76	CY/FT	78.0 C.Y.
WING ETC.	28.2		C.Y.
TOTAL	106.2		C.Y.
REINFORCING STEEL			
BARREL	9,964		LBS.
WINGS ETC.	1308		LBS.
TOTAL	11,272		LBS.
FOUNDATION CONDITIONING MATERIAL - 76 TONS			
CULVERT EXCAVATION			LUMP SUM
REMOVAL OF EXISTING STRUCTURE			LUMP SUM

NOTES

- ASSUMED LIVE LOAD -----HL-93 OR ALTERNATE LOADING.
- MAXIMUM DESIGN FILL----- 5.71'
- MINIMUM DESIGN FILL----- 5.31'
- FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.
- 3" Ø WEEP HOLES INDICATED TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONCRETE IN CULVERTS TO BE POURED IN THE FOLLOWING ORDER:
 1. WING FOOTINGS AND FLOOR SLAB INCLUDING 4" OF ALL VERTICAL WALLS.
 2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FULL HEIGHT FOLLOWED BY ROOF SLAB AND HEADWALLS.
- THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.
- DIMENSIONS FOR WING LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL ARE SHOWN ON WING SHEET.
- TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE POURS TO A MAXIMUM OF 70 FT. LOCATION OF JOINTS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- STEEL IN THE BOTTOM SLAB MAY BE SPLICED AT THE PERMITTED CONSTRUCTION JOINT AT THE CONTRACTOR'S OPTION. EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.
- AT THE CONTRACTOR'S OPTION, HE MAY SPLICE THE VERTICAL REINFORCING STEEL IN THE INTERIOR FACE OF EXTERIOR WALL AND BOTH FACES OF INTERIOR WALLS ABOVE LOWER WALL CONSTRUCTION JOINT. THE SPLICE LENGTH SHALL BE AS PROVIDED IN THE SPLICE LENGTH CHART SHOWN ON THE PLANS. EXTRA WEIGHT OF STEEL DUE TO THE SPLICES SHALL BE PAID FOR BY THE CONTRACTOR.
- THE EXISTING STRUCTURE LOCATED AT THE PROPOSED STRUCTURE, SHALL BE REMOVED.
- A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- EXISTING SCOUR HOLES SHALL BE BACKFILLED WITH CLASS I RIP RAP. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

PROJECT NO. 2096061
 WAYNE COUNTY
 STATION: BEAVERDAM CREEK

SHEET 1 OF 2



Designed by:
 Kristy Alford
 28FC5709E78142F

12/22/2016

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 BARREL STANDARD
**DOUBLE 9 FT. X 7 FT.
 CONCRETE BOX CULVERT
 75° 57' 31" SKEW**
 1971

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-1
1			3			TOTAL SHEETS
2			4			5

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ADDED 11-1-90

ASSEMBLED BY : <u>D. SHACKELFORD</u> DATE : <u>12/2016</u>	SPECIAL
CHECKED BY : <u>H. DESAI</u> DATE : <u>12/2016</u>	
DRAWN BY : <u>R.W. WRIGHT</u> DATE : <u>OCT. 1989</u>	STANDARD
CHECKED BY : <u>A.R. BISSETTE</u> DATE : <u>OCT. 1989</u>	